



Information Technology Project (IT2080)

Batch ID: Y2.S2.WD.IT.08.02

Group ID: ITP_WD_B08_G07

Agile Activity Report

Details of the Group Members

	Name with Initials	Registration Number	Contact Phone Number	Email
1.	Dilshan.O.A.P	IT21302480	0772930198	it21302480@my.sliit.lk
2.	Bihan.H.P.H	IT21298776	0717593099	it21298776@my.sliit.lk
3.	Deshapriya H.B.M.T	IT21291432	0784510384	it21291432@my.sliit.lk
4.	Neewin.S.L	IT21302930	0715177104	it21302930@my.sliit.lk
5.	Jayasuriya S.H	IT21293030	0740706510	it21293030@my.sliit.lk
6.	Kumarasinghe D.P	IT21296314	0719283781	it21296314@my.sliit.lk
7.	Dias W.J.S.L	IT21290824	0771143069	it21290824@my.sliit.lk
8.	Jayasundara J.M.H.H.	IT21295492	0769435437	it21295492@my.sliit.lk

Project Introduction

“Hotel Silver Sands” is a newly opened hotel situated in Negombo, Gampaha district, Sri Lanka. The hotel is situated in the west coast of the island and it’s an ideal place to feel the sea breeze. The hotel expects to satisfy the customers with a better service and to attract more foreign and local guests. Also, the hotel expects to provide a virtuous experience to the customers without any delay. Presently the hotel runs with a manual system where all the employees collaborate with physical methods of data transmission and databases. Thus, it has caused many operational issues as well as other management issues when performing front desk operations and when managing inventories, human resources etc. Apart from that it’s quite challenging for the hotel to compete with the other competitors in the industry without having a computerized system to manage the operational activities of the hotel.

With the growth of the organization and with the competition in the hotel industry our client has decided to comprise the hotel with a web-based hotel management system to be handled by the organizational employees. Also, our client is expecting to get the tourist board approval in the near future. Hence having a computerized system will be beneficial to get the approval. So, the main aim of this proposed system is to increase the performance, manage all the operations in silver sands efficiently and replace the manual system with a computerized system. Accordingly, we intend to build a web-based application that will allow the hotel management to manage the operational activities anywhere at any time. All the functional and nonfunctional requirements that the client desires will be addressed by the system.

The room reservation system can be functioned by the front desk receptionist which checks the availability of rooms according to the customer’s requirements. Housekeeping management function assign housekeepers for cleaning, maintaining and it running in all the rooms. The kitchen management, there will be a separate function in the system which checks the availability of goods. Since event booking is a vital function in every hotel, clients desire to have an event booking system that will provide the facility to the event coordinator to plan the events for the customers according to their requirements. Similarly, it can coordinate paid services as well. Furthermore, client needs to manage the transportation facilities that the hotel offers including the vehicle rental system.

Employee management is a significant function which will be able to manage all the required details of all the employees who have currently been joined within the organization. As a backbone for the whole system there will be a unique payment gateway for all services to be handled by the main cashier. It will have the capability to print a receipt as a proof of the transaction, where this receipt must be handed over to the customer and a separate data entry must be recorded within the database.

Dilshan.O.A.P - IT21302480

Epic - Room Booking Management System

Receptionists can control the system according to customers' requirements. It can analyze all the details of rooms and bookings, and it contains primary room categories that can be viewed in a 3D manner. According to the customer, it can book rooms. When a customer is booking a room, the system shows the only available rooms, and it is possible to obtain the details of other reserved rooms. There are two discount methods for rooms and customers. If a person booked more than two rooms and if a customer's room was booked with children, it calculated a 10% discount for the customer. In addition, the admin should be able to add bookings according to the entered customer data, such as name, email, room type, number of guests, and facilities. Some additional features such as room numbers and no of children can be also there for find discounts. It can also perform all the CRUD operations, such as

- Add a booking.
- Update the booking details.
- View the booking information
- Delete the booking details.

If necessary, booking details can be retrieved by searching through the booking ID; as a result, it can analyze the data and generate reports within a given time period. Using that report, the client can see details about all the bookings.

Features, User Stories, Tasks, Estimation Method

- Use Estimation Method as T-shirt Sizing

Features	User Story ID	User Stories	Tasks	Estimation Method
Login to the system	111	"As a receptionist, I want to login to the system, so that I can book rooms for customers"	<ul style="list-style-type: none">• Validate username and password	L
Check the room preview	112	"As a receptionist, I want to share static contents, so that I can identify the most suitable requirement for customer"	<ul style="list-style-type: none">• Access pos system.• Attach 3D photos.	M

Add a room booking	113	“As a receptionist, I want to validate user details, so that I can reserve a booking for customers”	<ul style="list-style-type: none"> • Create a form to collect booking details. • Validate booking details. • Update the database. 	XL
Perform discounts	114	“As a receptionist, I want to validate user details, so that I can perform some discounts”	<ul style="list-style-type: none"> • Create a form to collect booking details. • Validate booking details. • Perform discount methods. • Perform total amount method. • Update the database. 	L
Calculate booking amount	115	“As a receptionist, I want to calculate total amount, so that I send it to payment gateway”	<ul style="list-style-type: none"> • Create a form to collect booking details. • Validate booking details. • Perform discount methods. • Perform total amount method. • Link to payment gateway. • Update the database. 	XL
Check availability	116	“As a receptionist, I want to view the availability of the room, so that I can check the best option for customer”	<ul style="list-style-type: none"> • Create calendar to see all bookings. • Read booking details from the database • Create method to check availability. 	L
Retrieve a particular booking	117	“As a receptionist, I want to view a particular booking record, so that I can inform my customers about that”	<ul style="list-style-type: none"> • Create calendar to see all bookings. • Read booking details from the database • Create method to check availability. 	XL

Send a confirmation mail	118	“As a customer, I want to get a email about my booking, so that I can confirm whether my reservation is correct or not”	<ul style="list-style-type: none"> • Read customer email address from the database • Generate response email • Send the response email 	M
Update bookings	119	“As a receptionist, I want to update booking details, so that I can fulfill customer requirements”	<ul style="list-style-type: none"> • Read booking details from the database • Create method to check availability. • Direct an editable form. • Update the database. 	M
Delete bookings	120	“As a receptionist, I want to delete booking details, so that I can maintain booking details”	<ul style="list-style-type: none"> • Read booking details from the database • Delete booking details. • Update the database. 	M
View booking details	121	“As a receptionist, I want to retrieve booking details, so that I can see booking details”	<ul style="list-style-type: none"> • Read booking details from the database. • Create method to show details. 	S
Search bookings	122	“As a receptionist, I want to search booking details, so that I can retrieve particular user details according to bookingID”	<ul style="list-style-type: none"> • Read booking details from the database • Create a method to search. • Call for retrieve method. 	L
Generate reports	123	“As a receptionist, I want to generate a report, so that I can take the income of a particular time period”	<ul style="list-style-type: none"> • Read booking details from the database • Create a method to generate report. 	L

Deshapriya H.B.M.T - IT21291432

Epic – Housekeeping Management

Housekeepers work in every hotel. Therefore, having a system to manage them is a must in a hotel management system. Currently there is a manual duty roster system in the hotel. They use a duty book and update it daily. The disadvantage of this method is inefficiency. Also, a book can be misplaced or damaged at any time. So using an automated system increases the efficiency of the housekeeping and also gives the housekeeping manager the ability to monitor them easily.

At the beginning it is mandatory for the Housekeeping Manager to log into the system using his credentials (username and password). Then he can see the list of housekeepers which is retrieved from employees' database. There he will be able to allocate a new job by filling the fields such as location, remark about the job, housekeeper's name, date and working shift (time) etc.

After confirming the allocation of the job, housekeeping manager will be able to reschedule and deallocate the job.

Also, it is possible to take customer feedback about the housekeeping service from this housekeeping management system. After the service, the customer can give a feedback. In there, an email address and his feedback will be taken from the customer. Then the system will save the data in the database and also will send a response email to the customer. Then the housekeeping manager will be able to view the feedback and improve the productivity of the housekeepers.

Features, User Stories, Tasks, Estimation Method

- Use Estimation Method as T-shirt Sizing

Feature	User Story ID	User story	Tasks	Estimation method
Login to the system	211	As the Housekeeping Manager I want to login to the system so that I can allocate jobs for housekeepers.	<ul style="list-style-type: none">• Validate username and password	M
View employee list	212	As the Housekeeping Manager I want to get details of housekeepers from the employee manager so that I can allocate jobs for domestic helpers.	<ul style="list-style-type: none">• Create the interface of employees list• Retrieve only housekeeper's data from the employee database• Check the availability of housekeeper• Display housekeepers list	M

Allocate a job	213	As the Housekeeping Manager I want to allocate jobs for housekeepers so that housekeepers can do the jobs according to the duty roster.	<ul style="list-style-type: none"> • Create duty roster table • Implement the allocate a new job function • Implement confirm allocation 	XL
Reschedule a job	214	As the Housekeeping Manager I want to reschedule jobs for housekeepers so that housekeepers will get different kinds of jobs to perform.	<ul style="list-style-type: none"> • Implement the reschedule an existing job function • Implement confirm reschedule 	L
Deallocate a job	215	As the Housekeeping Manager I want to deallocate jobs from housekeepers so that I can allocate them for another job.	<ul style="list-style-type: none"> • Implement the deallocate an existing job function • Implement confirm deallocation 	L
Get customer feedback	216	As a Housekeeping Manager I want to get feedbacks from customers so that customers can tell us about the housekeeping services.	<ul style="list-style-type: none"> • Create the interface of add new feedback • Create a form to get feedback • Implement submit feedback function • Send details to the database 	XL
View customer feedback	217	As a Housekeeping Manager I want to view customer feedbacks so that I can improve efficiency and performance of domestic helpers according to the feedbacks.	<ul style="list-style-type: none"> • Create the interface of view feedback list • Retrieve feedback details from the database • Implement star feedback function 	L

Send response email	218	As a Housekeeping Manager I want to send a response email so that customer can be notified whether the feedback is received or not.	<ul style="list-style-type: none"> • Read customer email address from the database • Generate response email • Send the response email 	S
Search employees by employee id	219	As a Housekeeping Manager I want to search employees so that I can find employees who are allocated for the jobs easily.	<ul style="list-style-type: none"> • Create the search bar • Implement search by employee id function • Display matching results 	XS
Generate a report about duty roster	220	As a Housekeeping Manager I want to generate a report about duty roster so that housekeepers can find their daily duties.	<ul style="list-style-type: none"> • Create a button called print duty roster • Implement generate duty roster function 	S

Neewin.S.L - IT21302930

Epic – Employee Management

Managing employee-specific information is a priority here. Having records and follow-up information of all employees in a hotel is a must because it is important. As a result, all employee details, including salaries, can be managed in an efficient and accurate way using an automated system. First, the Employee Manager must log into the system using his user credentials (username and password). Here the login access is only given to the Employee Manager and Admin. Employee information is available for retrieval by the Employee Manager at a glance. He will be able to add new Employee information to the system if there are new Employees in the hotel. Employee information may be updated if updates need to be made. In the event that the employee resigns from the hotel, the employee's records may be permanently deleted from the system and database. Employee information can be easily retrieved through the search bar by filtering the Employee ID. This system creates a profile for each Employee where his/her details can be accessed, including his/her salary. The system also manages Employee salaries by calculating overtime, allowance, and employee attendance. Lastly, a monthly report can be generated for each staff member.

Features, User Stories, Tasks, Estimation Method

- Use Estimation Method as T-shirt Sizing

Features	User Story ID	User Stories	Tasks	Estimation Methods
Login to the system	311	As an Employee Manager I want to log into the system so that I can manage the employee information in the hotel.	<ul style="list-style-type: none">• Validate username and password.	M
Retrieve employee information	312	As an Employee Manager I want to retrieve all the Employee details so that I can track all employee information.	<ul style="list-style-type: none">• Create a function where all the employee lists can be retrieved in the interface.• Retrieves Employee information from database.	M

Add new Employees	313	As an Employee Manger I want to add new employee's details to the system so that all the employee's information can be easily accessed for the future needs.	<ul style="list-style-type: none"> • Implement interface named add new employees. • Implement a add new employee button. • Create a form to enter Employee details. • Create an add function. • Implement a success message when new employee details are successfully saved in the system. • Store the data in the database. • Added new employee displayed on interface. 	XL
Update Employee Information	314	As an Employee Manger I want to update employee information if there are changes so that the system is kept up to date with specific information only.	<ul style="list-style-type: none"> • Implement the update employee button to change employee information if any updates. • Create a function where updated information changes both in the interface and the database. • Success Message of confirmed updates in the interface and database. 	L
Delete Employee information	315	As an Employee Manager I want to delete employee information when an employee resigns so that irrelevant information is not collected in the system.	<ul style="list-style-type: none"> • Implement the delete employee button in the interface. • Implement a delete employee function where data deleted both in interface and database. • Implement a confirm deletion. 	L

			<ul style="list-style-type: none"> • Implement success message is successful deletion. 	
Search employee by employee id	316	As an Employee Manager I want to search employees by employee id so that I can retrieve Employee details easily.	<ul style="list-style-type: none"> • Create a search bar. • Implement search by employee id function. • Showcase matching results for the search. 	XS
Calculate Employee salary	317	As an Employee Manger I want to specify and enter each employee's allowance, overtime, and attendance so that the system can calculate each employee's salary.	<ul style="list-style-type: none"> • Create interface where employee overtime, allowance, attendance can be entered. • Implement calculation function where the overtime, allowance and attendance can be calculated. • Display calculated salary on the screen. 	XL
Retrieve Employee Profile	318	As an Employee I want to retrieve Employee Profile so that I can check the information recorded and salary calculated.	<ul style="list-style-type: none"> • Implement profile for every employee added to the system. • Display all details of employee including monthly salary calculations. 	M
Retrieving Employees overtime, allowance, Attendance for salary calculation.	319	As an Employee Manger I want to retrieve Employees overtime, allowance and Attendance for salary calculations so that I can check if the entered salary calculations are correct.	<ul style="list-style-type: none"> • Implement Interface to retrieve Employees OT, allowance and attendance. • Display all calculations of salary of all employees. 	M
Generate Monthly Employee report	320	As an Employee Manager I want to generate a monthly Employee Report so that I can track monthly progress of Employees.	<ul style="list-style-type: none"> • Create a button named generate report. • Implement pdf format to generate report. • Implement generate monthly report function. 	S

Epic – Event Management System

This function mainly focuses on reception hall reservations for events and other than that stakeholders can make reservations for fee-based activities. The customer can be called over the phone and get the appointment date to meet the manager or else the customer can visit the hotel and get more details. If a customer needs to reserve the reception hall for an event, the front desk receptionist gets the customer's requirements and checks the availability of the date. Customers can see the available reception halls through the POS and then the customer can choose the hall, plate type, decoration packages, lunch or dinner likewise. The customer will be the one who decides the indoor/outdoor hall, plate type, decoration packages, and lunch or dinner and then the manager should enter details into the system and lock the date and hall. Once the customer has made their selections, the total bill is calculated by adding the total number of people, the price of the plate, and any additional charges. The Reservation will only be confirmed after doing the advanced payment which will be half of the payment. After half of the payment, The system will generate a payment slip and display it on our POS. If the customer wants to cancel or update any details regarding their choices The system delete or updates their information. The customer must pay the full bill two weeks prior to their booking date. So the system will send an email to remind them. This System is used to manage all the events and it offers the possibility to reserve additional fee-based services like golf, swimming pool, photo shoot, etc. Customers can be reserved over the phone or visit the hotel. The receptionist gets the customer's requirements and checks the availability of the date. After that, the customer can reserve their events. some activities can do without reservation. From our catering department, a list of everything required for the day is generated and requested. When we want to search the specific customer details the system can search event details through the ID. The system will generate a report of all the events performed monthly and it can be downloaded.

Features, User Stories, Tasks, Estimation Method

- Use the Estimation Method as T-shirt Sizing

Features	User Story ID	User Stories	Tasks	Estimation Method
Check the availability of date	411	“As an Event manager, I want to check the availability of the date. So that I can identify the most suitable halls for customer.”	<ul style="list-style-type: none">• Create an interface called add new event.• Create a form to get date.• Implement a button called ‘Check Availability’.• Connect to the database.	L

			<ul style="list-style-type: none"> • Create a function to retrieve the details. 	
Book an event or fee-based activity	412	<p>“As an Event manager, I want to Insert event and fee-based activities details given by customer. So that customers can book an event or a fee-based activity .”</p>	<ul style="list-style-type: none"> • Create a form to get customer details. • Validate event details • Store the data in the database. 	XL
calculates the total bill.	413	<p>“As an Event manager, I want to Calculate the total amount. So that I can send it payment gateway.”</p>	<ul style="list-style-type: none"> • Implement a function to display records of reserved events. • Validate event details. • Perform a method to calculate the total amount. • Store the data in the database. 	XL
The system will only be confirmed after making the advanced payment.	414	<p>“As an Event manager, I want to Get the advance payment. So that I can lock the date and hall in our system.”</p>	<ul style="list-style-type: none"> • Implement a function to collect the records of total amount. • Validate event details. • Perform a method to calculate the total amount. • Update database. 	XL
Display Total Amount	415	<p>‘As an Event manager, I want to display the total amount, So that the customer is able to know the full amount.’</p>	<ul style="list-style-type: none"> • Implement the function for retrieving the data from the payment gateway. • Create a method to display the total amount 	M

View Event List	416	<p>“As an Event manager, I want to View the event list. So that I can get an idea about the day's activities in the hotel .”</p>	<ul style="list-style-type: none"> • Create an interface called Event details. • Retrieve only ‘Event type’ data from the database. • Every event that happened on that day is displayed. 	M
Delete an event.	417	<p>“As an Event manager, I want to delete the event when either customer wants to cancel their event or when the event is over. So that I can reserve this day for someone else.”</p>	<ul style="list-style-type: none"> • Create an interface called Event details. • Implement a function to remove customer details. • Create a confirmation message to verify that the event has been removed. • Create a function to update the new event details and event count. 	L
Update the details.	418	<p>“As an Event manager, I want to edit customer details when a customer wants to update their details. So that I can update my system .”</p>	<ul style="list-style-type: none"> • Create an interface called Event details. • create a button called ‘update’. • After clicking the button creates a function to edit the event details. • Connect to the database. • Store the details in database. • Create a confirmation message to verify that the event has been updated. 	L

Sending them an email to remind them to pay	419	“As an Event manager, I want to send a notification (mail) to the customer who has not yet paid the full amount. Therefore, the customer can be informed, and the total amount can be paid as soon as possible.”	<ul style="list-style-type: none"> • Filter customer who has not paid by the deadline. • Get the customer emails from the database. • Implement a function to send a notification to them. 	M
Sending a request to the food department regarding the food	420	“As an Event manager, I want to fill out the form regarding the food required for the event. So that I can send it food and beverage gateway.”	<ul style="list-style-type: none"> • Creates a form to request orders from the food manager. • Create a button ‘send’. • Create a method generates a message when the kitchen manager retrieves the details. 	L
Generate a monthly report for events.	421	“As an Event manager, I want to generate the monthly report. So that I can get an idea of the monthly event progress.”	<ul style="list-style-type: none"> • Implement a search button in the Add Event interface. • Create a function to generate a report on monthly event. 	M
Search event details through the ID.	422	“As an Event manager, I want to search event details through the ID. So that I can easy to get the customer details.”	<ul style="list-style-type: none"> • Create the search bar. • Implement search by customer id function. • Display matching results. 	XL

Kumarasinghe D.P – IT21296314

Epic – Kitchen Management System

This function is responsible for maintaining the things related to the kitchen. It will let the kitchen manager handle everything in the kitchen including managing and supervising. The kitchen mainly handles goods. The kitchen manager can add food details to the kitchen such as food type, name, availability, unit price. Food type would be a fruit or a vegetable, cooked or uncooked, baked or unbaked and the details will be inserted to the database and also the kitchen manager can see the food count which includes added or consumed food on a particular day which helps to increase the efficiency in kitchen operations.

Furthermore, when the kitchen gets a new stock, it will be inserted to the database and when the kitchen is running out of stock, the kitchen manager will order goods which will yield to update the food count and food details. Also, when spoiled food is found, the kitchen manager will remove those from the stock.

In addition, the kitchen manager can plan food menus, prices, introduce new dishes or remove existing dishes.

Moreover, when an event is happening in the hotel customers will be needing food so when the event manager shows the food packages that are available, customers will be saying their requirements so at that point event manager will be filling the form which will be needing for the kitchen manager to supply food and fulfil customers' requirements to the fullest.

Furthermore, the kitchen manager is able to generate a report based on monthly food stocks.

Features, User Stories, Tasks, Estimation Method

- Use Estimation Method as T-shirt Sizing

Features	User Story ID	User Stories	Tasks	Estimation Method
Add new goods to kitchen	511	“As a kitchen manager, I want to add new goods to kitchen, so that customers suggestions will be addressed”	<ul style="list-style-type: none">• Create an interface called food stock.• Implement a button called add new goods.• Create a form to get the good details.• Implement a button called ‘add’ to add the new goods.	XL

Decides food prices	512	“As a kitchen manager, I want to plan the food prices, so that I can assign affordable prices”	<ul style="list-style-type: none"> • Creates a separate column in the food stock interface. • Include prices. • Store the data in the database. • Display the prices in food stock interface. 	S
Checks the availability of food	513	“As a kitchen manager, I want to check the availability of food, so that I can have a brief idea about what’s in the stock”	<ul style="list-style-type: none"> • Connect to the database. • In food stock interface, create a function to retrieve the details. 	L
Remove spoiled food	514	“As a kitchen manager, I want to remove spoiled goods, so that customers will get fresh dishes ”	<ul style="list-style-type: none"> • In food stock interface, implement a function to remove spoiled food. • Create a confirmation message to verify that the food has been removed. • Create a function to update the availability and food count. • 	XL
Update the stocks	515	“As a kitchen manager, I want to update the stocks, so that the stock will not be running out”	<ul style="list-style-type: none"> • In the food stock interface, create a button called ‘update’. • Once clicking the button creates a function to edit the food details. • Connect to the database. • Store the details in the database. • 	XL
Checks the forms that has been submitted by the event manager	516	“As a kitchen manager, I want to check the form that has been submitted by the event manager, so that I can get prepared to serve”	<ul style="list-style-type: none"> • Creates a form to get the orders from the event manager. • Once the event manager filled the information, implement a function to retrieve the details. 	M

Checks the number of food that were added or consumed on a particular day	517	“As a kitchen manager, I want to check the number of food that were added or consumed on a particular day, so that it’s easier for me to know the availability”	<ul style="list-style-type: none"> • Create an interface called food count. • Connect to the database. • Create a connection between food stock interface and food count interface. • Create a function to do the necessary changes in food count interface when goods are added or consumed. • Store the details in the database. 	L
Generate a report based on monthly food stock	518	“As a kitchen manager, I want to generate a report based on monthly food stock, so that its easier for me to see the profit and the expenses”	<ul style="list-style-type: none"> • Implement a search button in food stock interface. • Create a function to generate a report on monthly stock. • Retrieve data from the database. 	M
Reads added or consumed food on a particular day	519	“As a kitchen manager, I want to read added or consumed food on particular day, so that it will be easier for me to know the amounts that were added or consumed”	<ul style="list-style-type: none"> • Create a button in food count interface called ‘View’. • Connect to the database. • Retrieve the stored details from the database. 	M

Epic – Transportation Management System

The management of all transportation services and associated operations for both guests and hotel staff are done in this division. The provided transportation shuttle service, which covers the main routes accessible for the hotel, is open to hotel staff. Additionally, guests can ask for any of the hotel's available transportation services. To arrange pick-ups and drops, guests can request the necessary form of transportation.

The hotel features a shuttle (bus) service for the staff. Employees can sign up for this service at the time of registration or at a later time by providing/filling out the required information. Among the necessary information that is obtained by the hotel are the national ID number, full name, contact information, and email. The hotel administration offers this service to employees at a specific monthly discounted rate as a perk. Contrarily, visitors can select their preferred transportation package from “Basic Transit”, “Comfort Cruiser” and “Luxury Liner”. For the specified days, they are allowed to choose their pick-up and drop-off sites. Depending on how far they are willing to travel, the fees will be computed. To use this service, guests must have finished the check-in process first. Both the driver and vehicle details are gathered to the system's database to provide and manage this service. The system has the ability to generate an overview report of the transportation service at any time. After performing a survey in the near future, the hotel also intends to launch a facility where foreign visitors can rent motor bicycles.

Features, User Stories, Tasks, Estimation Method

- Use Estimation Method as T-shirt Sizing

Features	User Story ID	User Stories	Tasks	Estimation Method
Add drivers	611	“As a transport manager I want to add drivers to the system, so that I can assign a driver to a trip.”	<ul style="list-style-type: none">• Create an interface to get details on the driver.• Create a unique ID for each driver.• Store driver details to a database to retrieve them when needed.	L

Validate Driver Details	612	“As a transport manager I want to validate driver details, so that only accurate information will be stored as per requirements.”	<ul style="list-style-type: none"> • Create validation methods to fields such as email, phone number and etc. • Validate details before storing them to a database. 	S
Add Vehicle Details	613	“As a transport manager I want to add vehicle details to the system together with the drivers, so that I can get drivers selecting a specific vehicle for a trip.”	<ul style="list-style-type: none"> • Create a form to add vehicle details after the driver is finished filling their details. • Connect driver table together with the vehicle table. • Create a unique ID for each vehicle. • Store vehicle details in a database which is connected with the driver details. 	L
Update Vehicle Details	614	“As a transport manager I want to update vehicle details of driver as if they changed their vehicles, so that I can have updated information in the database.”	<ul style="list-style-type: none"> • Implement a way to update already added vehicle details in the system. • Implement a button to save changes. • Store updated details on the same table in the database. 	M
Create a Profile for Each Driver	615	“As a transport manager I want to create profile for each driver with their details together with the specific vehicle details, so that I can access details easily.”	<ul style="list-style-type: none"> • Create a simple UI which shows only the important details for the driver profile. • Implement buttons to update details and delete the profile. • Show if there are any assigned trips for that driver at that time. 	L
Manage Driver Profiles	616	“As a transport manager I want to manage driver profiles, so that I will be able to edit details or delete an account if needed.”	<ul style="list-style-type: none"> • Implement a search to find driver profiles easily by ID or name. • Implement buttons to update details and delete the profile. • Implement a button to save changes. • Update database according to the changes made. 	M

Create Separate Driver Profiles Section	617	“As a transport manager I want to create separate driver profile sections for staff transport and guest transport, so that will be easy to manage and access data quickly.”	<ul style="list-style-type: none"> • Create a different section separately for staff transport drivers. • Create a different section separately for guest transport drivers. • View them separately as per the requirement. 	S
Manage Staff Transportation	618	“As a transport manager I want to manage staff transportation, so that I will be able to handle staff transportation effectively.”	<ul style="list-style-type: none"> • Add new routes to the shuttle service. • Add new time slots for pickups. • Update added time slots if time needs to change in any slot. • Notify changes to the drivers via email. 	L
Manage Guest Transportation	619	“As a transport manager I want to manage guest transportation, so that I will be able to handle guest transportation effectively.”	<ul style="list-style-type: none"> • Assign trips for guests as per their requirement. • Create an interface to assign the trip the guest wants accordingly. • Implement a way to update assigned trip details. 	XL
Guest Transportation Package Type Selection	620	“As a transport manager I want to create a package type selection, so guests can choose the package they want according to their budget.”	<ul style="list-style-type: none"> • Create a package type selection option for guests. • Have vehicles sorted according to different package types. • Calculate the fee according to the package selected. 	L
Assign a Trip	621	“As a transport manager I want to assign a trip for guest, so that guests can travel wherever they want to from the hotel transportation service itself.”	<ul style="list-style-type: none"> • Implement a button to save information on a trip. 	XL

Assign a Driver	622	“As a transport manager I want to assign a driver based on the vehicle, so that a registered driver will be available for the trip.”	<ul style="list-style-type: none"> • Assign the trip to a driver based on the vehicle selected for the relevant package. 	M
Assign a Vehicle	623	“As a transport manager I want to assign a vehicle based on the selected package by the guest, so that the luxury level will be met parallel with selected package.”	<ul style="list-style-type: none"> • Assign an available vehicle to the trip according to package selected by the guest. 	L
Notify Drivers	624	“As a transport manager I want to notify driver when they are assigned with a trip, so that the driver will get to know about the trip details.”	<ul style="list-style-type: none"> • Implement a way to notify the driver by an email when a trip is finalized. • Send an automatic email after clicking the finalize the trip button. 	M
Retrieve Assigned Trip Details	625	“As a transportation manager I want to retrieve assigned trip details, so that I will be able to get information on assigned trips.”	<ul style="list-style-type: none"> • Create and interface to show details on assigned trips together with only the important details, • Implement buttons to edit or delete assigned trips. 	S
Retrieve Completed Trip Details	626	“As a transport manager I want to retrieve completed trip details, so that I will be able to access details on already completed trips.”	<ul style="list-style-type: none"> • Create an interface to show completed trip details with a briefing of trip details. 	S
Generate an Overview Report Based on Completed Trips within a Specific Time Frame	627	“As a transport manager I want to generate an overview report of completed trips, so that I can only get details about the completed trips on a selected time period.”	<ul style="list-style-type: none"> • Implement a method create a printable pdf report of completed trips. • Create a method to generate them within a specific time period. 	L

Epic – Payment Management System

The payment management system, manages the details regarding the monetary transactions, this can be accessed by the payment manager. Payment ID, customer details, date, amount, payment type and transaction type for each transaction will be added into the system and the relevant payment can be made through the payment gateway. A separate payment ID will be assigned to each transaction. The customer will be able to choose the method of payment as cash, credit or debit card, PayPal according to the customer's preference. If a customer has done more than one transaction the total amount will be calculated before finalizing the payment. Those transactions will include room reservations, event bookings, transportation services. For each transaction done, when the payment is confirmed, a receipt will be generated.

A complete profile regarding the payment details will be created for each customer. Hence, the completed transactions with relevant information can be retrieved by searching with the relevant payment ID. That information can be managed by the payment manager.

If the customer requests for a refund, the refund amount can be generated according to the relevant refund rates by the system and the refund amount can be transferred to the relevant customer's bank account. If the request is made within 48 hours, then 75% of the total amount can be reimbursed. If the request is made within 72 hours, then 50% of the total amount can be reimbursed. The stored payment details can be updated by the payment manager after refund confirmation. If the customer needs to cancel the payment the payment details which have been already added to the system can be deleted. A report will be generated including all the details of all payments which are done with in a particular time period.

Features, User Stories, Tasks, Estimation Method

- Use Estimation Method as T-shirt Sizing

Features	User Story ID	User Stories	Tasks	Estimation Method
Make the customer payment.	711	"As a payment manager I want to log in to the system and make payments on behalf of the customers so that, I can confirm the reservations"	<ul style="list-style-type: none">• Create an interface for the payment gateway.• Implement a form to get the payment details.• Implement a button to confirm the payment.	L

Assign a payment ID for each transaction.	712	“As a payment manager I want to assign a unique payment ID for each transaction so that, I can keep track of each transaction which are made by each customer”	<ul style="list-style-type: none"> • Generate a unique payment ID for each transaction. • Assign the generated ID to the relevant transaction. 	S
Payment method selection.	713	“As a payment manager I want to be able to select a payment method among cash, credit or debit card and PayPal so that, I can make the payment according to the customers’ preference”	<ul style="list-style-type: none"> • Implement buttons for each payment method as “Cash”, “Credit or Debit Card”, “PayPal”. • For card payments, implement a form to get the card details from the customer. • For the payments which are done using PayPal, implement a form to get the PayPal account details from the customer. 	XL
Generate a receipt for each transaction.	714	“As a payment manager I want receive a receipt for each transaction so that, I can confirm each transaction and increase the customer reliability”	<ul style="list-style-type: none"> • Generate a receipt for each transaction. • Implement a function to print out the receipt by the system. 	XL
Create a payment profile for each customer.	715	“As a payment manager I want to create a payment profile for each customer so that, I can manage their payment details easily”	<ul style="list-style-type: none"> • Connect to the database. • Create a separate table to store payment details of each customer. 	L
Search payment details by payment ID.	716	“As a payment manager I want to be able to search the payment details of each customer by payment ID so that, I can find payment details more conveniently”	<ul style="list-style-type: none"> • Implement a field to enter the payment ID. • Implement a function to search payment details by payment ID. • Display the search results 	M

Retrieve payment details of each customer	717	“As a payment manager I want to be able to retrieve payment details of each customer so that, it is easy for me to manage past transactions and to resolve issues regarding those transactions”	<ul style="list-style-type: none"> • Implement a button to view payment profiles in the dashboard. • Implement a function to retrieve data from the database to view the payment details of each customer 	L
Generate refund amounts.	718	“As a payment manager I want to generate refund amount so that, I can manage refunds accurately”	<ul style="list-style-type: none"> • Implement a button to direct to the refund page in the dashboard. • Create a field to enter the amount. • Create a field to select the refund rate. • Implement a function to generate the refund amount according to the selected refund rate. 	XL
Transfer refund amounts to the customers' bank accounts.	719	“As a payment manager I want to transfer the refund amount to the relevant customer's bank account so that, I can increase the accuracy of the transaction”	<ul style="list-style-type: none"> • Generate a form to enter the bank details of the customer. • Implement the confirmation. 	L

Update payment profiles.	720	“As a payment manager I want to be able to update the payment profiles of each customer so that, I can edit payment details whenever a refund request is confirmed”	<ul style="list-style-type: none"> • Implement a button to direct to the payment profile page in the dashboard. • Implement a button to edit the payment details for each customer. • Design a interface to shoe the payment details in editable format. • Implement a function to edit the payment details. • Store the changed details in the data base. 	M
Delete payment profiles.	721	“As a payment manager I want to be able to delete the payment profiles so that, I can delete payment profiles whenever a customer cancels a payment”	<ul style="list-style-type: none"> • Implement a button to direct to the payment profile page in the dashboard. • Implement a button to delete the payment details for each customer. • Implement a function to delete the payment details. • Store the changed details in the data base. 	M
Generate a report.	722	“As a payment manager I want to be able to generate a report based on the transactions which are done during a particular time period so that, I can analyze the all the monetary transactions”	<ul style="list-style-type: none"> • Implement a button called “Generate Report”. • Implement a function to generate the payment report. 	M

Product Backlog

- Use Estimation Method as T-shirt Sizing.
- Use Prioritization Method as MoSCoW Analysis.

L - Must have

“As a receptionist, I want to login to the system, so that I can book rooms for customers”

M - Could have

“As a receptionist, I want to share static contents, so that I can identify the most suitable requirement for customer”

L - Must have

“As a receptionist, I want to view the availability of the room, so that I can check the best option for customer”

XL - Must have

“As a receptionist, I want to validate user details, so that I can reserve a booking for customers”

XL - Must have

“As a receptionist, I want to calculate total amount, so that I send it to payment gateway”

L - Must have

“As a payment manager I want to log in to the system and make payments on behalf of the customers so that, I can confirm the

XL - Must have

“As a payment manager I want receive a receipt for each transaction so that, I can confirm each transaction and increase the customer reliability”

XL - Should have

“As a payment manager I want to be able to select a payment method among cash, credit or debit card and PayPal so that, I can make the payment according to the customers' preference”

M - Could have

“As a customer, I want to get a email about my booking, so that I can confirm whether my reservation is correct or not”

XL - Could have

“As a receptionist, I want to view a particular booking record, so that I can inform my customers about that”

M - Could have

“As a receptionist, I want to update booking details, so that I can fulfill customer requirements”

M - Could have

“As a receptionist, I want to delete booking details, so that I can maintain booking details”

S - Must have

“As a receptionist, I want to retrieve booking details, so that I can see booking details”

L - Must have

“As a receptionist, I want to generate a report, so that I can take the income of a particular time period”

L - Should have

“As a receptionist, I want to search booking details, so that I can retrieve particular user details according to bookingID”

L - Should have

“As a receptionist, I want to validate user details, so that I can perform some discounts”

S - Should have

“As a payment manager I want to assign a unique payment ID for each transaction so that, I can keep track of each transaction which are made by each customer”

L - Must have

“As a payment manager I want to create a payment profile for each customer so that, I can manage their payment details easily”

XL - Must have

“As a payment manager I want to generate refund amount so that, I can manage refunds accurately”

L - Could have

“As a payment manager I want to transfer the refund amount to the relevant customer's bank account so that, I can increase the accuracy of the transaction”

M - Must have

“As a payment manager I want to be able to retrieve payment details of each customer so that, it is easy for me to manage past transactions and to resolve issues regarding those transactions”

M - Must have

“As a payment manager I want to be able to update the payment profiles of each customer so that, I can edit payment details whenever a refund request is confirmed”

M - Must have

“As a payment manager I want to be able to delete the payment profiles so that, I can delete payment profiles whenever a customer cancels a payment”

M - Should have

“As a payment manager I want to be able to generate a report based on the transactions which are done during a particular time period so that, I can analyze the all the monetary transactions”

M - Could have

“As a payment manager I want to be able to search the payment details of each customer by payment ID so that, I can find payment details more conveniently”

L - Must have

“As an Event manager, I want to check the availability of the date. So that I can identify the most suitable halls for customer.”

XL - Must have

“As an Event manager, I want to Insert event details. So that I can manage all events.”

XL - Must have

“As an Event manager, I want to Calculate the total amount. So that I can send it payment gateway.”

XL - Must have

“As an Event manager, I want to Get the advance payment. So that I can lock the date and hall in our system.”

M - Should have

‘As an Event manager, I want to display the payment slip, So that the customer is able to know the full amount.’

L - Must have

“As an Event manager, I want to fill out the form regarding the food required for the event. So that I can send it food and beverage gateway.”

M - Should have

“As a kitchen manager, I want to check the form that has been submitted by the event manager, so that I can get prepared to serve”

M - Could have

“As an Event manager, I want to View the event list. So that I can get an idea about the day's activities in the hotel .”

L - Must have

"As an Event manager, I want to edit customer details when a customer wants to update their details. So that I can update my system."

L - Must have

"As an Event manager, I want to delete the event when either customer wants to cancel their event or when the event is over. So that I can reserve this day for someone else."

M - Could have

"As an Event manager, I want to send a notification (mail) to the customer who has not yet paid the full amount. Therefore, the customer can be informed. and the total

XL - Must have

"As an Event manager, I want to search event details through the ID. So that I can easy to get the customer details."

M - Should have

"As an Event manager, I want to generate the monthly report. So that I can get an idea of the monthly event progress."

XL - Must have

"As a kitchen manager, I want to add new goods to kitchen, so that customers suggestions will be addressed"

S - Must have

"As a kitchen manager, I want to plan the food prices, so that I can assign affordable prices"

L - Must have

"As a kitchen manager, I want to check the availability of food, so that I can have a brief idea about what's in the stock"

L - Must have

"As a kitchen manager, I want to check the availability of food, so that I can have a brief idea about what's in the stock"

L - Must have

"As a kitchen manager, I want to check the number of food that were added or consumed on a particular day, so that it's easier for me to know the availability"

M - Could have

"As a kitchen manager, I want to read added or consumed food on particular day, so that it will be easier for me to know the amounts that were added or consumed"

XL - Must have

"As a kitchen manager, I want to update the stocks, so that the stock will not be running out"

XL - Must have

"As a kitchen manager, I want to remove spoiled goods, so that customers will get fresh dishes "

M - Should have

"As a kitchen manager, I want to generate a report based on monthly food stock, so that its easier for me to see the profit and the expenses"

XL - Must have

"As a transport manager I want to assign a trip for guest, so that guests can travel wherever they want to from the hotel transportation service itself."

L - Could have

"As a transport manager I want to create a package type selection, so guests can choose the package they want according to their budget."

XL - Should have

"As a transport manager I want to manage guest transportation, so that I will be able to handle guest transportation effectively."

L - Must have

"As a transport manager I want to assign a vehicle based on the selected package by the guest, so that the luxury level will be met parallel with selected package."

M - Must have

"As a transport manager I want to assign a driver based on the vehicle, so that a registered driver will be available for the trip."

M - Should have

"As a transport manager I want to notify driver when they are assigned with a trip, so that the driver will get to know about the trip details."

L - Must have

"As a transport manager I want to add drivers to the system, so that I can assign a driver to a trip."

S - Must have

"As a transport manager I want to validate driver details, so that only accurate information will be stored as per requirements."

L - Must have

"As a transport manager I want to add vehicle details to the system together with the drivers, so that I can get drivers selecting a specific vehicle for a trip."

S - Should have

"As a transport manager I want to create separate driver profile sections for staff transport and guest transport, so that will be easy to manage and access data quickly."

L - Must have

"As a transport manager I want to create profile for each driver with their details together with the specific vehicle details, so that I can access details easily."

M - Should have

"As a transport manager I want to manage driver profiles, so that I will be able to edit details or delete an account if needed."

M - Must have

"As a transport manager I want to update vehicle details of driver as if they changed their vehicles, so that I can have updated information in the database."

L - Should have

"As a transport manager I want to manage staff transportation, so that I will be able to handle staff transportation effectively."

S - Should have

"As a transportation manager I want to retrieve assigned trip details, so that I will be able to get information on assigned trips."

S - Should have

"As a transport manager I want to retrieve completed trip details, so that I will be able to access details on already completed trips."

L - Should have

As a transport manager I want to generate an overview report of completed trips, so that I can only get details about the completed trips on a selected time period."

M - Must Have

"As an Employee Manager I want to log into the system so that I can manage the employee information in the hotel."

XL - Must have

"As an Employee Manger I want to add new employee's details to the system so that all the employee's information can be easily accessed for the future needs."

M - Must have

"As an Employee Manager I want to retrieve all the Employee details so that I can track all employee information"

XS - Should have

"As an Employee Manager I want to search employees by employee id so that I can retrieve Employee details easily"

XL - Must have

"As an Employee Manger I want to specify and enter each employee's allowance, overtime, and attendance so that the system can calculate each employee's salary."

M - Could have

“As an Employee I want to retrieve Employee Profile so that I can check the information recorded and salary calculated”

S - Should have

“As an Employee Manager I want to generate a monthly Employee Report so that I can track monthly progress of Employees.”

M - Could have

“As an Employee Manager I want to retrieve Employees overtime, allowance and Attendance for salary calculations so that I can check if the entered salary calculations are correct”

L - Must have

“As an Employee Manager I want to update employee information if there are changes so that the system is kept up to date with specific information only.”

L - Must have

“As an Employee Manager I want to delete employee information when an employee resigns so that irrelevant information is not collected in the system”

M - Must have

“As the Housekeeping Manager I want to login to the system so that I can allocate jobs for housekeepers”

M - Must have

“As the Housekeeping Manager I want to get details of housekeepers from the employee manager so that I can allocate jobs for domestic helpers”

XL - Must have

“As the Housekeeping Manager I want to allocate jobs for housekeepers so that housekeepers can do the jobs according to the duty roster”

S - Should have

“As a Housekeeping Manager I want to generate a report about duty roster so that housekeepers can find their daily duties”

L - Should have

“As the Housekeeping Manager I want to reschedule jobs for housekeepers so that housekeepers will get different kinds of jobs to perform”

L - Must have

“As the Housekeeping Manager I want to deallocate jobs from housekeepers so that I can allocate them for another job”

XS - Should have

“As a Housekeeping Manager I want to search employees so that I can find employees who are allocated for the jobs easily”

XL - Must have

“As a Housekeeping Manager I want to get feedbacks from customers so that customers can tell us about the housekeeping services”

S - Could have

“As a Housekeeping Manager I want to send a response email so that customer can be notified whether the feedback is received or not”

L - Must have

“As a Housekeeping Manager I want to view customer feedbacks so that I can improve efficiency and performance of domestic helpers according to the feedbacks”

Sprint Backlogs

1st Sprint

M - Must have

“As the Housekeeping Manager I want to login to the system so that I can allocate jobs for housekeepers”

Estimation hours- 6

M - Must have

“As the Housekeeping Manager I want to get details of housekeepers from the employee manager so that I can allocate jobs for domestic helpers”

Estimation hours- 8

XL - Must have

“As the Housekeeping Manager I want to allocate jobs for housekeepers so that housekeepers can do the jobs according to the duty roster”

Estimation hours- 14

M - Must Have

“As an Employee Manager I want to log into the system so that I can manage the employee information in the hotel.”

Estimation hours- 9

XL - Must have

“As an Employee Manager I want to add new employee’s details to the system so that all the employee’s information can be easily accessed for the future needs.”

Estimation hours- 12

M - Must have

“As an Employee Manager I want to retrieve all the Employee details so that I can track all employee information”

Estimation hours- 7

XL - Must have

“As a kitchen manager, I want to add new goods to kitchen, so that customers suggestions will be addressed”

Estimation hours- 15

S - Must have

“As a kitchen manager, I want to plan the food prices, so that I can assign affordable prices”

Estimation hours- 6

L - Must have

“As a kitchen manager, I want to check the availability of food, so that I can have a brief idea about what’s in the stock

Estimation hours- 9

L - Must have

“As a payment manager I want to log in to the system and make payments on behalf of the customers so that, I can confirm the reservations”

Estimation hours- 12

L - Must have

“As a payment manager I want to create a payment profile for each customer so that, I can manage their payment details easily”

Estimation hours- 6

XL - Should have

“As a payment manager I want to be able to select a payment method among cash, credit or debit card and PayPal so that, I can make the payment according to the customers’ preference”

Estimation hours- 6

S - Should have

“As a payment manager I want to assign a unique payment ID for each transaction so that, I can keep track of each transaction which are made by each customer”

Estimation hours- 4

L - Must have

“As an Event manager, I want to check the availability of the date. So that I can identify the most suitable halls for customer.”

Estimation hours- 14

XL - Must have

“As an Event manager, I want to Insert event and fee-based activities details given by the customer. So that customers can book an event or a fee-based activity.”

Estimation hours- 8

L - Must have

“As a receptionist, I want to login to the system, so that I can book rooms for customers”

Estimation hours- 4

M - Could have

“As a receptionist, I want to share static contents, so that I can identify the most suitable requirement for customer”

Estimation hours- 8

L - Must have

“As a receptionist, I want to view the availability of the room, so that I can check the best option for customer”

Estimation hours- 8

L - Must have

“As a transport manager I want to add vehicle details to the system together with the drivers, so that I can get drivers selecting a specific vehicle for a trip.”

Estimation hours- 6

L - Must have

“As a transport manager I want to add drivers to the system, so that I can assign a driver to a trip.”

Estimation hours- 3

S -Must have

“As a transport manager I want to validate driver details, so that only accurate information will be stored as per requirements.”

Estimation hours- 5

L - Must have

"As a transport manager I want to create profile for each driver with their details together with the specific vehicle details, so that I can access details easily."

Estimation hours- 8

M - Must have

"As a transport manager I want to update vehicle details of driver as if they changed their vehicles, so that I can have updated information in the database."

Estimation hours- 4

Deliverables sprint 1

In housekeeping management manager will be able to log in to the system, view housekeepers list and allocate jobs for housekeepers.

In Employee Management the manager will be able to log into the system, add employee and retrieve employee information.

Kitchen manager will be able to add new goods, decide food prices and to check availability of food.

In Payment Management, the manager will be able to log into the system, and make the relevant payment through the payment gateway by selecting a payment method that the customer prefers.

Event manager will be able to log in to the system, and can insert the event details and fee-based activity details.

In room booking management manager will be able to log in to the system, show the static content to the customer via pos system and firstly going to check availabilities before bookings.

The transport manager will be able to create and maintain up-to-date driver profiles for each driver that is registered into the system. Drivers together with their vehicle will be stored in the system database.

2nd Sprint

L - Should have

“As the Housekeeping Manager I want to reschedule jobs for housekeepers so that housekeepers will get different kinds of jobs to perform”

Estimation hours- 14

L - Must have

“As the Housekeeping Manager I want to deallocate jobs from housekeepers so that I can allocate them for another job”

Estimation hours- 14

XS - Should have

“As an Employee Manager I want to search employees by employee id so that I can retrieve Employee details easily”

Estimation hours- 6

L - Must have

“As an Employee Manager I want to update employee information if there are changes so that the system is kept up to date with specific information only.”

Estimation hours- 10

XL - Must have

“As an Employee Manager I want to specify and enter each employee’s allowance, overtime, and attendance so that the system can calculate each employee’s salary.”

Estimation hours- 12

XL - Must have

“As a kitchen manager, I want to update the stocks, so that the stock will not be running out”

Estimation hours- 15

M - Should have

“As a kitchen manager, I want to check the form that has been submitted by the event manager, so that I can get prepared to serve”

Estimation hours- 10

M - Must have

“As a payment manager I want to be able to update the payment profiles of each customer so that, I can edit payment details whenever a refund request is confirmed”

Estimation hours- 14

L - Could have

“As a payment manager I want to transfer the refund amount to the relevant customer’s bank account so that, I can increase the accuracy of the transaction”

Estimation hours- 14

XL - Must have

“As an Event manager, I want to Calculate the total amount. So that I can send it payment gateway.”

Estimation hours- 10

XL - Must have

“As an Event manager, I want to Get the advance payment. So that I can lock the date and hall in our system.”

Estimation hours- 10

M - Should have

“As an Event manager, I want to display the payment slip, So that the customer is able to know the full amount.”

Estimation hours- 4

L - Must have

"As an Event manager, I want to fill out the form regarding the food required for the event. So that I can send it food and beverage gateway."

Estimation hours- 4

XL - Must have

"As a receptionist, I want to validate user details, so that I can reserve a booking for customers"

Estimation hours- 8

XL - Must have

"As a receptionist, I want to calculate total amount, so that I send it to payment gateway"

Estimation hours- 8

M - Could have

"As a customer, I want to get a email about my booking, so that I can confirm whether my reservation is correct or not"

Estimation hours- 4

M - Should have

"As a transport manager I want to manage driver profiles, so that I will be able to edit details or delete an account if needed."

Estimation hours- 6

L - Should have

"As a transport manager I want to manage staff transportation, so that I will be able to handle staff transportation effectively."

Estimation hours- 8

XL - Should have

"As a transport manager I want to manage guest transportation, so that I will be able to handle guest transportation effectively."

Estimation hours- 6

L - Could have

"As a transport manager I want to create a package type selection, so guests can choose the package they want according to their budget."

Estimation hours- 8

Deliverables sprint 2

In housekeeping management manager will be able to reschedule and remove the existing jobs.

In Employee Management the manager will be able retrieve Employee information by their id, Update Employee information and calculate the Employee Salary.

Kitchen manager will be able to update the current stock and he will be able to check the forms that has been submitted by the event manager.

In Payment Management, the manager will be able to get the refund amount generated by the system under the conditions of the hotel and transfer that amount to the customer's bank account.

Event manager will be able to calculate the total bill, display the payment slip and reserve the food.

In room management manager will be able to add a booking , calculate and display the total amount and send the confirmation mail about the reservation.

The transportation manage will have the ability to manage both staff and guest transportation according to the relevant criteria.

3rd Sprint

XL - Must have

“As a Housekeeping Manager I want to get feedbacks from customers so that customers can tell us about the housekeeping services”

Estimation hours- 14

L - Must have

“As a Housekeeping Manager I want to view customer feedbacks so that I can improve efficiency and performance of domestic helpers according to the feedbacks”

Estimation hours- 14

M - Could have

“As an Employee I want to retrieve Employee Profile so that I can check the information recorded and salary calculated”

Estimation hours- 16

L - Must have

“As an Employee Manager I want to delete employee information when an employee resigns so that irrelevant information is not collected in the system”

Estimation hours- 12

L - Must have

“As a kitchen manager, I want to check the number of food that were added or consumed on a particular day, so that it's easier for me to know the availability”

Estimation hours- 13

M - Could have

“As a kitchen manager, I want to read added or consumed food on particular day, so that it will be easier for me to know the amounts that were added or consumed”

Estimation hours- 10

M - Must have

“As a payment manager I want to be able to retrieve payment details of each customer so that, it is easy for me to manage past transactions and to resolve issues regarding those transactions”

Estimation hours- 8

M - Must have

“As a payment manager I want to be able to delete the payment profiles so that, I can delete payment profiles whenever a customer cancels a payment”

Estimation hours- 10

XL - Must have

“As a payment manager I want to generate refund amount so that, I can manage refunds accurately”

Estimation hours- 10

M - Could have

“As an Event manager, I want to View the event list. So that I can get an idea about the day's activities in the hotel ”

Estimation hours- 6

L - Must have

“As an Event manager, I want to edit customer details when a customer wants to update their details. So that I can update my system”

Estimation hours- 10

L - Must have

“As an Event manager, I want to delete the event when either customer wants to cancel their event or when the event is over. So that I can reserve this day for someone else.”

Estimation hours- 10

S - Must have

“As a receptionist, I want to retrieve booking details, so that I can see booking details”

Estimation hours- 6

M - Could have

“As a receptionist, I want to update booking details, so that I can fulfill customer requirements”

Estimation hours- 6

M - Could have

“As a receptionist, I want to delete booking details, so that I can maintain booking details”

Estimation hours- 6

S - Should have

“As a transport manager I want to create separate driver profile sections for staff transport and guest transport, so that will be easy to manage and access data quickly.”

Estimation hours- 6

XL - Must have

“As a transport manager I want to assign a trip for guest, so that guests can travel wherever they want to from the hotel transportation service itself.”

Estimation hours- 4

M - Must have

“As a transport manager I want to assign a driver based on the vehicle, so that a registered driver will be available for the trip.”

Estimation hours- 4

L - Must have

“As a transport manager I want to assign a vehicle based on the selected package by the guest, so that the luxury level will be met parallel with selected package.”

Estimation hours- 8

M - Should have

“As a transport manager I want to notify driver when they are assigned with a trip, so that the driver will get to know about the trip details.”

Estimation hours- 4

Deliverables sprint 3

In housekeeping management manager will be able to get and view customer feedbacks.

In Employee Management the manager will be able to retrieve Employee profiles and delete employee information from the system

Kitchen manager will be able to check number of foods that were added or consumed on a particular day and he will be having access to read added or consumed food on a particular day.

In Payment Management, the manager will be able to retrieve stored payment details of each customer, update those details and delete those details if necessary.

Event manager will be able to update, delete and view the event details.

In room booking management manager will be able to view booking details, update booking details and delete booking details.

Transport manager will be able to assign trips for guest as per their requirements and drivers will be notified with the necessary details that they need to know about the trip they are assigned with.

4th Sprint

S - Could have

“As a Housekeeping Manager I want to send a response email so that customer can be notified whether the feedback is received or not”

Estimation hours- 10

XS - Should have

“As a Housekeeping Manager I want to search employees so that I can find employees who are allocated for the jobs easily”

Estimation hours- 8

S - Should have

“As a Housekeeping Manager I want to generate a report about duty roster so that housekeepers can find their daily duties”

Estimation hours- 10

M - Could have

“As an Employee Manager I want to retrieve Employees overtime, allowance and Attendance for salary calculations so that I can check if the entered salary calculations are correct”

Estimation hours- 8

S - Should have

“As an Employee Manager I want to generate a monthly Employee Report so that I can track monthly progress of Employees.”

Estimation hours- 20

XL - Must have

“As a kitchen manager, I want to remove spoiled goods, so that customers will get fresh dishes ”

Estimation hours- 15

M - Should have

“As a kitchen manager, I want to generate a report based on monthly food stock, so that its easier for me to see the profit and the expenses”

Estimation hours- 10

XL - Must have

“As a payment manager I want receive a receipt for each transaction so that, I can confirm each transaction and increase the customer reliability”

Estimation hours- 110

M - Could have

“As a payment manager I want to be able to search the payment details of each customer by payment ID so that, I can find payment details more conveniently”

Estimation hours- 8

M - Should have

“As a payment manager I want to be able to generate a report based on the transactions which are done during a particular time period so that, I can analyze the all the monetary transactions”

Estimation hours- 110

M - Could have

“As an Event manager, I want to send a notification (mail) to the customer who has not yet paid the full amount. Therefore, the customer can be informed, and the total amount can be paid as soon as possible.”

Estimation hours- 10

M - Should have

“As an Event manager, I want to generate the monthly report. So that I can get an idea of the monthly event progress.”

Estimation hours- 8

XL - Must have

“As an Event manager, I want to search event details through the ID. So that I can easy to get the customer details.”

Estimation hours- 8

XL - Could have

“As a receptionist, I want to view a particular booking record, so that I can inform my customers about that”

Estimation hours- 4

L - Must have

“As a receptionist, I want to generate a report, so that I can take the income of a particular time period”

Estimation hours- 4

L - Should have

“As a receptionist, I want to search booking details, so that I can retrieve particular user details according to bookingID”

Estimation hours- 4

L - Should have

“As a receptionist, I want to validate user details, so that I can perform some discounts”

Estimation hours- 6

S - Should have

“As a transportation manager I want to retrieve assigned trip details, so that I will be able to get information on assigned trips.”

Estimation hours- 4

S - Should have

“As a transport manager I want to retrieve completed trip details, so that I will be able to access details on already completed trips.”

Estimation hours- 8

L - Should have

As a transport manager I want to generate an overview report of completed trips, so that I can only get details about the completed trips on a selected time period.”

Estimation hours- 8

Deliverables sprint 4

In housekeeping management manager will be able to send response emails, search housekeepers by employee id and generate a report about duty roster.

In Employee Management the manager will be able to retrieve employee salary details and generate monthly report.

Kitchen manager will be able to remove spoiled food from the stock and to generate a report based on monthly food stock.

In Payment Management, the manager will be able to receive a payment receipt to be given to the customer, search the stored payment details by payment ID, and receive a report about all the monetary transactions that are happened in a particular time period.

Event manager will be able to send emails to the customer, search events by employee id and generate a report about the monthly event.

In room booking management manager will be able to send view a particular booking details, perform some discounts, search through the booking id and also generate a final booking detail report.

The transport manager will be able to get an overview of both assigned and completed trips. The transport manage will be also having the ability to generate a report to narrow the retrieval of information as per the requirement.

Kanban Board

Trello Workspaces Recent Starred Templates Create

Hotel Management System Public Board

To Do

- Room Booking Management System**
"As a receptionist, I want to login to the system, so that I can book rooms for customers" (DP)
- Room Booking Management Syst...**
"As a receptionist, I want to share static contents, so that I can identify the most suitable requirement for customer" (DP)
- Room Booking Management Syst...**
"As a receptionist, I want to validate" (DP)

To Do

- Housekeeping Management System**
Login to the system
"As the Housekeeping Manager I want to login to the system so that I can allocate jobs for housekeepers" (IH) 0/1
- Housekeeping Management System**
View employee list
"As the Housekeeping Manager I want to get details of housekeepers from the employee manager so that I can allocate jobs for domestic helpers" (IH) 0/4
- Housekeeping Management System**
Allocate a job

To Do

- Kitchen Management System**
Kitchen Management
"As a kitchen manager, I want to add new goods to kitchen, so that customers suggestions will be addressed" (DK)
- Kitchen Management System**
Kitchen Management
"As a kitchen manager, I want to plan the food prices, so that I can assign affordable prices" (DK)
- Kitchen Management System**
Kitchen Management
"As a kitchen manager, I want to check the availability of food, so that I can allocate jobs for domestic helpers" (DK)

To Do

- Event Management System**
Event Management System
"As an Event manager, I want to check the availability of the date. So that I can identify the most suitable halls for customers." (HJ)
- Event Management System**
Event Management System
"As an Event manager, I want to share static content about event details. So that customers can easy to select their choices." (HJ)
- Event Management System**
Event Management System
"As an Event manager I want to Insert event details. So that I can" (HJ)

To Do

- Employee Management System**
Employee Management
"As an Employee Manager I want to log into the system so that I can manage the employee information in the hotel." (N)
- Employee Management System**
Employee Management
"As an Employee Manager I want to retrieve all the Employee details so that I can track all employee information." (N)
- Employee Management System**
Employee Management
"As an Employee Manager I want to add new employee's details to the" (N)

To Do

- Payment Management System**
Payment Management
"As a payment manager I want to log in to the system and make payments on behalf of the customers so that, I can confirm the reservations" (HJ)
- Payment Management System**
Payment Management
"As a payment manager I want to assign a unique payment ID for each transaction so that, I can keep track of each transaction which are made by each customer" (HJ)

Trello Workspaces Recent Starred Templates Create

Hotel Management System Public Board

To Do

- Employee Management System**
Employee Management
"As an Employee Manager I want to log into the system so that I can manage the employee information in the hotel." (N)
- Employee Management System**
Employee Management
"As an Employee Manager I want to retrieve all the Employee details so that I can track all employee information." (N)
- Employee Management System**
Employee Management
"As an Employee Manger I want to add new employee's details to the" (N)

To Do

- Payment Management System**
Payment Management
"As a payment manager I want to log in to the system and make payments on behalf of the customers so that, I can confirm the reservations" (HJ)
- Payment Management System**
Payment Management
"As a payment manager I want to assign a unique payment ID for each transaction so that, I can keep track of each transaction which are made by each customer" (HJ)

To Do

- Transportation Management System**
Transportation Management
"As a transport manager I want to add drivers to the system, so that I can assign a driver to a trip." (LD)
- Transportation Management System**
Transportation Management
"As a transport manager I want to validate driver details, so that only accurate information will be stored as per requirements." (LD)
- Transportation Management System**
Transportation Management
"As a transport manager I want to" (LD)

Doing

- Implementations**
API configurations (DP, DK, HJ, HJ, IH, LD, N)
- Testing**
Check APIs (DP, DK, HJ, HJ, IH, LD, N)
- Documentation**
Activity 2 (DP, DK, HJ, HJ, IH, LD, N)

Done

- Documentation**
Charter Submission (DP, DK, HJ, HJ, IH, LD, N)
- Documentation**
Activity 1 Submission (DP, DK, HJ, HJ, IH, LD, N)
- Documentation**
Project Proposal Submission (DP, DK, HJ, HJ, IH, LD, N)
- Presentations and Viva**
Presentation 1 (DP, DK, HJ, HJ, IH, LD, N)
- Organizing Requirements**
Setting up GitHub Repository (DP, DK, HJ, HJ, IH, LD, N)

<https://trello.com/c/6LfxbmWK/20-presentation-1>